

Appln. No. 09/439,332
Amendment dated August 1, 2003
Reply to Office Action mailed July 2, 2003

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims (deleted text being struck through and added text being underlined):

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1. (Previously Amended) A machine for cutting and feeding sheet material comprising:
- a frame, said frame being generally rectangular;
 - a paper cutting and delivering means comprising:
 - a material feeding roller means mounted to said frame, said feeding roller means for holding a roll of paper;
 - a drawing means, and a motor means for rotating said drawing means, wherein said drawing means is for drawing said paper from said paper roll;
 - a cutting means, said cutting means being mounted adjacent to said draw roller, said cutting means comprising a latitudinal perforating bar for perforating said paper along a width of said paper, and a latitudinal cutting bar for cutting said paper along said width of said paper;
 - a guide roller assembly comprised of four rollers and two guides orientated to feed said paper from said cutting means to an exit in said frame; and
 - an actuating means operationally coupled to said cutting means and to said motor means;
 - wherein said frame has an inside portion and an outside portion whereby said material feeding roller means is mounted to said frame on said outside of said frame;
 - wherein said drawing means further comprises:
 - a first pair of rollers, a tension roller and a second pair of rollers,

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said tension roller having a spring attached thereto for applying downward tension on said tension roller wherein said second pair of rollers being rotated by said motor means.

2. (Previously Canceled)

3. (Previously Canceled)

4. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 1, wherein said paper cutting and delivery means further comprises a sensor coupled to said frame, wherein said sensor measures a length of said paper, said sensor being between said motor means and said second pair of roller wherein said sensor is for actuating said motor means for rotating said second pair of rollers.

5. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 1, wherein said cutting means further comprises a longitudinal perforating wheel, wherein said perforating wheel perforates said paper along a length of said paper.

6. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 1, wherein said paper cutting and delivery means further comprises:

a paper holder being mounted in said frame, said paper holder being located between said cutting means and said guide roller assembly;

a second guide roller assembly mounted between said cutting means and said paper holder, said second guide roller assembly comprising two rollers and two guide bars for directing said paper into said paper holder.

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7. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 1, wherein said frame further contains a second and a third paper cutting and delivery means being substantially identical as said first paper cutting and delivery means, said second means being mounted below said first means, said third means being mounted below said second means whereby all three cutting and delivery means are mounted parallel to each other and all direct paper from a first end of said frame to a second end of said frame.

8. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 7, wherein said first paper cutting and delivery means is adapted to hold paper of a different width than said second and third paper cutting and delivering means, said second paper cutting and delivery means being adapted to hold paper of a different width than said third paper cutting and feeding means.

9. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 1, wherein said actuating means is adapted to be programmable for variable cutting and perforating patterns.

10. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 6 wherein said paper holder is slidably mounting into said frame wherein said paper holders can be accessed by pulling said paper holders from said frame.

11. (Previously Amended) A machine for cutting and feeding sheet material comprising:

a frame, said frame being generally rectangular wherein said frame has an inside portion and an outside portion;

a paper cutting and delivering means comprising:

a material feeding roller means wherein said roller means is attached to the outside portion of said frame, said feeding roller means

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being for feeding a continuous roll of paper into said frame such that said paper is horizontal to a floor;

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a drawing means mounted to said inside of said frame wherein said drawing means flattens said paper, said drawing means being adjacent to said feeding means, said drawing means being comprised of a first draw roller assembly, a tension roller and a second draw roller assembly, said tension roller having a spring attached thereto for applying downward tension on said tension roller, said first and said second draw roller assemblies being comprised of two rollers, said second draw roller being in fluid connection with a sensor whereby said sensor rotates said second draw roller to pull said paper into said frame wherein said sensor measures a length of said paper;

a motor means rotationally coupled to said sensor means, motor means for rotating said sensor means;

a cutting means, said cutting means being mounted adjacent to said second draw roller, said cutting means comprising a longitudinal perforating wheel, a latitudinal perforating bar, and a latitudinal cutting bar, said perforating wheel perforates said paper along a length of said paper, said latitudinal perforating bar perforates said paper along a width of said paper, said latitudinal cutting bar cuts said paper along said width of said paper;

a paper holder mounted in said frame;

a first guide roller assembly mounted between said cutting means and said paper holder, said first guide roller assembly comprising two rollers and two guide bars for directing said paper into said paper holder;

a second guide roller assembly comprised of four rollers and guides for feeding said paper from said paper holder to an exit in said frame;

said exit in said frame comprising two rollers and an opening in said

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frame; and
an actuating means operationally coupled to said cutting means and to
said motor means, said actuating means being programmable for
variable cutting and perforating patterns.

12. (Previously Canceled).

13. (Previously Amended) A machine for cutting and feeding sheet
material comprising:

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a frame;
a paper cutting and delivering means comprising:
a material feeding roller means mounted to said frame for holding a
roll of paper;
a drawing means for drawing said paper from said paper roll;
a motor means for rotating said drawing means;
a cutting means for perforating said paper in a transverse direction
and for cutting said paper in a transverse direction;
a guide roller assembly for feeding said paper from said cutting means
to an exit in said frame; and
an actuating means for actuating said cutting means and said motor
means;

wherein said drawing means further comprises a first pair of rollers, a
tension roller and a second pair of rollers, said tension roller having a
spring attached thereto for applying downward tension on said tension
roller wherein said second pair of rollers being rotated by said motor
means.

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14. (Previously Added) The machine for cutting and feeding sheet material as stated in claim 13, wherein said frame has an inside portion and an outside portion whereby said material feeding roller means is mounted to said frame on said outside of said frame.

15. (Previously Added) The machine for cutting and feeding sheet material as stated in claim 13, wherein said cutting means comprises a transverse perforating bar for perforating said paper along a width of said paper, and a transverse cutting bar for cutting said paper along said width of said paper

16. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 13, wherein said paper cutting and delivery means further comprises a sensor coupled to said frame, wherein said sensor measures a length of said paper, said sensor being between said motor means and said second pair of roller wherein said sensor is for actuating said motor means for rotating said second pair of rollers.

17. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 13, wherein said cutting means further comprises a longitudinal perforating wheel for perforating said paper along a length of said paper.

18. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 13, wherein said paper cutting and delivery means further comprises:

a paper holder being mounted in said frame, said paper holder being located between said cutting means and said guide roller assembly;

a second guide roller assembly mounted between said cutting means and said paper holder, said second guide roller assembly comprising two rollers and two guide bars for directing said paper into

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said paper holder.

19. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 13, wherein said frame further contains a second and a third paper cutting and delivery means being substantially identical as said first paper cutting and delivery means, said second means being mounted below said first means, said third means being mounted below said second means whereby all three cutting and delivery means are mounted parallel to each other and all direct paper from a first end of said frame to a second end of said frame.

20. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 19, wherein said first paper cutting and delivery means is adapted to hold paper of a different width than said second and third paper cutting and delivering means, said second paper cutting and delivery means being adapted to hold paper of a different width than said third paper cutting and feeding means.

21. (Previously Amended) The machine for cutting and feeding sheet material as stated in claim 13, wherein said actuating means is operationally coupled to said cutting means and to said motor means, said actuating means being adapted to be programmable for variable cutting and perforating patterns.

22. (Currently Amended) The machine for cutting and feeding sheet material as stated in claim 20 wherein ~~said a~~ paper holder is slidably ~~mounting mounted~~ into said frame wherein said paper ~~holders~~ holder can be accessed by pulling said paper ~~holders~~ holder from said frame.